



# Federal Aviation Administration

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## Memorandum

Date: AUG 4 2005

From: Manager, Flight Technologies and Procedures Division, AFS-400

To: Director, Aviation System Standards, AVN-1

Prepared by: Thomas J. Nichols, Flight Procedure Standards Branch, AFS-420

Subject: Clarification of TERPS Paragraph 161

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**PURPOSE:** This memorandum provides new guidance relating to terminal instrument procedures (TERPS) paragraph 161 "*STRAIGHT-IN PROCEDURE IDENTIFICATION*".

### DISCUSSION:

Paragraph 161a: "...Where more than one approach using the same final approach guidance is developed to the same runway, identify each for the runway/navigational aid combination with alphabetical suffix beginning at the end of the alphabet; e.g. ILS Z RWY 28L."

The original purpose of the criteria was to provide a means to differentiate approach procedures with intentional design variations that would otherwise result in the same procedure name (i.e. multiple approaches utilizing the same navigational guidance in final approach to the same runway, but with different courses, fixes, etc.).

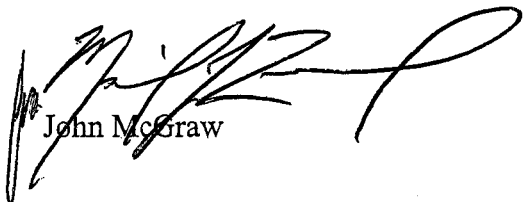
### POLICY:

Paragraph 161(b) is changed as follows:

"161(b): RNAV. Procedures must be titled RNAV (sensor) RWY (number). RNAV includes all satellite-based procedures and satellite-based procedures with augmentation (i.e. LPV, LNAV/VNAV, LNAV, and RNP). Use the sensor type (GPS) to identify LPV, LNAV/VNAV and LNAV approaches, e.g. RNAV (GPS) RWY 21. Note that LPV, LNAV/VNAV and LNAV procedures are normally published as multiple lines of minimums on the same chart. Use the sensor type (RNP) to identify procedures based on required navigation performance, e.g. RNAV (RNP) RWY 15. When more than one RNAV procedure of either sensor type is developed to the same runway, annotate each with an alphabetical suffix beginning at the end of the alphabet, e.g. RNAV (RNP) Z RWY 28L, RNAV (GPS) Y RWY 28L, RNAV (GPS) X RWY 28L, etc. The procedure publishing the lowest HAT for its lowest line of minimums/approach category must be identified with the "Z" suffix, e.g. RNAV (RNP) Z RWY 28L (lowest HAT), RNAV (GPS) Y RWY 28L (next lowest HAT), RNAV (GPS) X RWY 28L (third lowest HAT), etc.

The next change to TERPS will contain these changes. Apply these paragraphs to all new procedures, and to existing procedures at the next biennial review.

Please contact Don Pate, AFS-420, at (405) 954-4164 with any questions concerning this policy.



John McGraw